

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=8; day=19; hr=14; min=25; sec=39; ms=508;]

=====

Application No: 10560280 Version No: 1.0

Input Set:

Output Set:

Started: 2008-08-19 13:39:51.761
Finished: 2008-08-19 13:39:52.756
Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 995 ms
Total Warnings: 13
Total Errors: 0
No. of SeqIDs Defined: 19
Actual SeqID Count: 19

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)

SEQUENCE LISTING

<110> TABIRA, TAKESHI
HARA, HIDEO

<120> RECOMBINANT ADENO-ASSOCIATED VIRUS VECTOR FOR TREATMENT
OF ALZHEIMER DISEASE

<130> 40072-0026US

<140> 10560280
<141> 2008-08-19

<150> PCT/JP04/08224
<151> 2004-06-11

<150> JP 2003-169714
<151> 2003-06-13

<150> JP 2003-371103
<151> 2003-10-30

<160> 19

<170> PatentIn Ver. 3.3

<210> 1
<211> 129
<212> DNA
<213> Homo sapiens

<220>
<221> CDS
<222> (1)..(129)

<400> 1
gat gca gaa ttc cga cat gac tca gga tat gaa gtt cat cat caa aaa 48
Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

ttg gtg ttc ttt gca gaa gat gtg ggt tca aac aaa ggt gca atc att 96
Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

gga ctc atg gtg ggc ggt gtt gtc ata gcg aca 129
Gly Leu Met Val Gly Val Val Ile Ala Thr
35 40

<210> 2
<211> 43
<212> PRT
<213> Homo sapiens

<400> 2
Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys

1 5 10 15

Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala Ile Ile
20 25 30

Gly Leu Met Val Gly Gly Val Val Ile Ala Thr
35 40

<210> 3
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> CDS
<222> (1)..(63)

<400> 3
gat gca gaa ttc cga cat gac tca gga tat gaa gtt cat cat caa aaa 48
Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

ttg gtg ttc ttt gca 63
Leu Val Phe Phe Ala
20

<210> 4
<211> 21
<212> PRT
<213> Homo sapiens

<400> 4
Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln Lys
1 5 10 15

Leu Val Phe Phe Ala
20

<210> 5
<211> 54
<212> DNA
<213> Homo sapiens

<220>
<221> CDS
<222> (1)..(54)

<400> 5
atg ctg ccc ggt ttg gca ctg ctc ctg ctg gcc gcc tgg acg gct cgg 48
Met Leu Pro Gly Leu Ala Leu Leu Leu Ala Ala Trp Thr Ala Arg
1 5 10 15

gcg ctt
Ala Leu

54

<210> 6
<211> 18
<212> PRT
<213> Homo sapiens

<400> 6
Met Leu Pro Gly Leu Ala Leu Leu Leu Ala Ala Trp Thr Ala Arg
1 5 10 15

Ala Leu

<210> 7
<211> 197
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
construct

<220>
<221> CDS
<222> (9)..(191)

<400> 7
ggtctaga atg ctg ccc ggt ttg gca ctg ctc ctg ctg gcc gcc tgg acg 50
Met Leu Pro Gly Leu Ala Leu Leu Leu Ala Ala Trp Thr
1 5 10

gct cgg gcg ctt gat gca gaa ttc cga cat gac tca gga tat gaa gtt 98
Ala Arg Ala Leu Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val
15 20 25 30

cat cat caa aaa ttg gtg ttc ttt gca gaa gat gtg ggt tca aac aaa 146
His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys
35 40 45

ggt gca atc att gga ctc atg gtg ggc ggt gtt gtc ata gcg act 191
Gly Ala Ile Ile Gly Leu Met Val Gly Gly Val Val Ile Ala Thr
50 55 60

taagac 197

<210> 8
<211> 61
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic construct

<400> 8

Met Leu Pro Gly Leu Ala Leu Leu Leu Ala Ala Trp Thr Ala Arg
1 5 10 15

Ala Leu Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His
20 25 30

Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala
35 40 45

Ile Ile Gly Leu Met Val Gly Gly Val Val Ile Ala Thr
50 55 60

<210> 9

<211> 137

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic construct

<220>

<221> CDS

<222> (17)...(133)

<400> 9

tggcgccgc tctaga atg ctg ccc ggt ttg gca ctg ctc ctg ctg gcc gcc 52
Met Leu Pro Gly Leu Ala Leu Leu Leu Ala Ala
1 5 10

tgg acg gct cgg gcg ctt gat gca gaa ttc cga cat gac tca gga tat 100
Trp Thr Ala Arg Ala Leu Asp Ala Glu Phe Arg His Asp Ser Gly Tyr
15 20 25

gaa gtt cat cat caa aaa ttg gtg ttc ttt gct taag 137
Glu Val His His Gln Lys Leu Val Phe Phe Ala
30 35

<210> 10

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic construct

<400> 10

Met Leu Pro Gly Leu Ala Leu Leu Leu Ala Ala Trp Thr Ala Arg
1 5 10 15

Ala Leu Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His
20 25 30

Gln Lys Leu Val Phe Phe Ala
35

<210> 11
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 11
gatgcagaat tccgacatga ctcagga 27

<210> 12
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 12
gtcttaagtc gctatgacaa caccgccc 28

<210> 13
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 13
ggctagaat gctgcccgtt ttggcactgc tcctgctggc cgcctggacg gctcgggcgc 60
tt 62

<210> 14
<211> 61
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 14
agcgccccag ccgtccaggc ggccagcagg agcagtgcca aaccgggcag cattctagac 60
c 61

<210> 15
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic primer

<400> 15
ggtagaaat gctgcccgtt tggcac 27

<210> 16
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic primer

<400> 16
tggcgccgc tctagaatg 19

<210> 17
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic primer

<400> 17
cacatcttaa gcaaagaaca cc 22

<210> 18
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic primer

<400> 18
agtgaaccgt cagatcg 18

<210> 19
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 19
cggtatcagc tcactcaa

18